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**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims**

1. (Original) Process for the sterilization and/or germ reduction of impression materials and/or their components, comprising subjecting the impression materials and/or their components to radiation sterilization.
  
2. (Original) Process according to Claim 1, wherein the impression materials and/or their components are two-component impression materials, which are cross-linked into an elastomer material.
  
3. (Currently Amended) Process according to Claim 2, wherein the impression materials and/or their components further comprise additional condensation or via (meth)acrylate acrylate or methacrylate groups cross-linkable silicon impression materials, or addition, condensation, or via ring opening or (meth)acrylate acrylate or methacrylate groups cross-linkable polyether impression materials.
  
4. (Currently Amended) Process according to Claim 1, wherein the impression materials and/or their components are impression materials which can be handled as a system (powder: fluids).

5. (Currently Amended) Process according to Claim 4, wherein the impression materials and/or their components comprise an alginate impression material (powder: water).

6. (Original) Process according to Claim 1, wherein an additional cross-linking silicon impression material is used, which contains in the formulation vinyl group containing polysiloxanes with at least partially present diphenyl siloxane- and/or phenyl methyl siloxane structural units.

7. (Currently Amended) Process according to Claim 6, wherein polymers are used, which contain at least 3 Mol-%, ~~preferably at least 10 Mol-%~~ diphenyl siloxane and/or phenyl methyl siloxane units.

8. (Original) Process according to Claim 1, which further comprises sterilizing the impression material and/or its components in a primary packaging agent.

9. (Original) Process according to Claim 8, wherein the impression material and/or its components are arranged in the primary packaging and are simultaneously treated with accessories for mixing or for application of the impression material.

10. (Original) Process according to Claim 8, wherein a twin-chamber cartridge is used as primary packaging and a mixing nozzle as accessory.

11. (Original) Process according to Claim 1, wherein the radiation sterilization is performed by means of gamma rays or electron rays.

12. (Currently Amended) Process according to Claim 11, wherein a radiation dose of a maximum of 50 kGy, ~~preferably 20 to 30 kGy~~, is used.

13. (Currently Amended) Process according to Claim 1, wherein the impression materials are ~~used~~ adapted for use in the medical field.

14. (Currently Amended) Process according to Claim 13, wherein the impression materials are ~~used~~ adapted for use in the dental field, in orthopedics, in otoplasty, in epithetics, defect surgery, veterinary medicine, in the field of molding in ENT-medicine or for the molding of skin parts.

15. (Currently Amended) Process according to Claim 1, wherein the impression materials are ~~used~~ adapted for use for the production of stamps for the transfer of structures, especially of biological and/or pharmaceutically active substrates.

16. (New) Process according to Claim 7, wherein the polymers used contain at least 10 Mol-% diphenyl siloxane and/or phenyl methyl siloxane units.

17. (New) Process according to Claim 12, wherein a radiation dose of 20 to 30 kGy is used.

18. (New) Process according to Claim 1, wherein the impression materials are crosslinking elastomeric impression materials.